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- 99. The isolated polypeptide of claim 95, wherein said polypeptide is part of a fusion protein.
- 100. The isolated polypeptide of claim 95, which is produced in a recombinant cell.
- 101. The isolated polypeptide of claim 100, wherein said recombinant cell is bacterial.
- 102. The isolated polypeptide of claim 95, together with a pharmaceutically acceptable carrier or excipient.
- 103. An isolated polypeptide comprising an amino acid sequence at least 90% identical to Val (123) Ser (208) of SEQ ID NO:2.
- 104. The isolated polypeptide of claim 103, comprising an amino acid sequence at least 95% identical to Val (123) Ser (208) of SEQ ID NO:2.
- 105. The isolated polypeptide of claim 104, comprising an amino acid sequence at least 97% identical to Val (123) Ser (208) of SEQ ID NO:2.
- 106. The isolated polypeptide of claim 103, having a Met residue at the N-terminus of said amino acid sequence.

- 107. The isolated polypeptide of claim 103, wherein said polypeptide is part of a fusion protein.
  - 108. The isolated polypeptide of claim 103, which is produced in a recombinant cell.
  - 109. The isolated polypeptide of claim 108, wherein said recombinant cell is bacterial.
  - 110. The isolated polypeptide of claim 103, together with a pharmaceutically acceptable carrier or excipient.
  - An isolated polypeptide comprising an amino acid sequence at least 90% identical to Glu (104) Ser (208) of SEQ ID NO:2.
  - 112. The isolated polypeptide of claim 111, comprising an amino acid sequence at least 95% identical to Glu (104) Ser (208) of SEQ ID NO:2.
  - 113. The isolated polypeptide of claim 112, comprising an amino acid sequence at least 97% identical to Glu (104) Ser (208) of SEQ ID NO:2.
  - 114. The isolated polypeptide of claim 111, having a Met residue at the N-terminus of said amino acid sequence.
  - 115. The isolated polypeptide of claim \\ 11, wherein said polypeptide is part of a fusion protein.

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- The isolated polypeptide of claim 111, which is produced in a recombinant cell.
- 117. The isolated polypeptide of claim 116, wherein said recombinant cell is bacterial.
- 118. The isolated polypeptide of claim 111, together with a pharmaceutically acceptable carrier or excipient.
- 119. An isolated polypeptide comprising an amino acid sequence at least 90% identical to Val (77) Ser (208) of SEQ ID NO:2.
- 120. The isolated polypeptide of claim 119, comprising an amino acid sequence at least 95% identical to Val (77) Ser (208) of SEQ ID NO:2.
- 121. The isolated polypeptide of claim 120, comprising an amino acid sequence at least 97% identical to Val (77) Ser (208) of SEQ ID NO:2.
- 122. The isolated polypeptide of claim 119, having a Met residue at the N-terminus of said amino acid sequence.
- 123. The isolated polypeptide of claim 119, wherein said polypeptide is part of a fusion protein.

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- 124. The isolated polypeptide of claim 119, which is produced in a recombinant cell.
- 125. The isolated polypeptide of claim 124, wherein said recombinant cell is bacterial.
- 126. The isolated polypeptide of claim 119, together with a pharmaceutically acceptable carrier or excipient.
- 127. An isolated polypeptide comprising an amino acid sequence at least 90% identical to Ser (69) Ser (208) of SEQ ID NO:2.
- 128. The isolated polypeptide of claim 127, comprising an amino acid sequence at least 95% identical to Ser (69) Ser (208) of SEQ ID NO:2.
- 129. The isolated polypeptide of claim 128, comprising an amino acid sequence at least 97% identical to Ser (69) Ser (208) of SEQ ID NO:2.
- 130. The isolated polypeptide of claim 127, 128 or 129, having a Met residue at the N-terminus of said amino acid sequence.
- 131. The isolated polypeptide of claim 127, 128 or 129, wherein said polypeptide is part of a fusion protein.

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- 132. The isolated polypeptide of claim 127, 128 or 129, which is produced in a recombinant cell.
  - 133. The isolated polypeptide of claim 132, wherein said recombinant cell is bacterial.
  - 134. The isolated polypertide of claim 127, 128 or 129, together with a pharmaceutically acceptable carrier or excipient.
  - 135. An isolated polypeptide comprising an amino acid sequence at least 90% identical to Ala (63) Ser (208) of SEQ ID NO:2.
  - 136. The isolated polypeptide of claim 135, comprising an amino acid sequence at least 95% identical to Ala (63) Ser (208) of SEQ ID NO:2.
  - 137. The isolated polypeptide of claim 136, comprising an amino acid sequence at least 97% identical to Ala (63) Ser (208) of SEQ ID NO:2.
  - 138. The isolated polypeptide of claim 135, 136, or 137, having a Met residue at the N-terminus of said amino acid sequence.
  - 139. The isolated polypeptide of claim 135, 136, or 137, wherein said polypeptide is part of a fusion protein.

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- 140. The isolated polypeptide of claim 135, 136, or 137, which is produced in a recombinant cell.
  - 141. The isolated polypeptide of claim 140, wherein said recombinant cell is bacterial.
  - 142. The isolated polypeptide of claim 135, 136, or 137, together with a pharmaceutically acceptable carrier or excipient.
  - 143. An isolated polypeptide comprising an amino acid sequence at least 90% identical to Cys (37) Ser (208) of SEQ ID NO:2.
  - 144. The isolated polypeptide of claim 143, comprising an amino acid sequence at least 95% identical to Cys (37) Ser (208) of SEQ ID NO:2.
  - 145. The isolated polypeptide of claim 144, comprising an amino acid sequence at least 97% identical to Cys (37) Ser (208) of SEQ ID NO:2.
  - 146. The isolated polypeptide of claim 143, 144, or 145, having a Met residue at the N-terminus of said amino acid sequence.
  - 147. The isolated polypeptide of claim 143, 144, or 145, wherein said polypeptide is part of a fusion protein.

- B1 148. The isolated polypeptide of claim 143, 144, or 145, which is produced in a recombinant cell.
  - 149. The isolated polypeptide of claim 148, wherein said recombinant cell is bacterial.
  - 150. The isolated polypeptide of claim 143, 144, or 145, together with a pharmaceutically acceptable carrier or excipient.
  - An isolated polypeptide comprising an amino acid sequence at least 90% identical to Thr (36) Ser (208) of SEQ ID NO:2.
  - 152. The isolated polypeptide of claim 151, comprising an amino acid sequence at least 95% identical to Thr(36) Ser (208) of SEQ ID NO:2.
  - 153. The isolated polypeptide of claim 152, comprising an amino acid sequence at least 97% identical to Thr(36).- Ser (208) of SEQ ID NO:2.
  - 154. The isolated polypeptide of claim 151, 152, or 153 having a Met residue at the N-terminus of said amino acid sequence.
  - 155. The isolated polypeptide of claim 151, 152, or 153 wherein said polypeptide is part of a fusion protein.

- 156. The isolated polypeptide of claim 151, 152, or 153 which is produced in a recombinant cell.
- 157. The isolated polypeptide of claim 156, wherein said recombinant cell is bacterial.
- 158. The isolated polypeptide of claim 151, 152, or 153 together with a pharmaceutically acceptable carrier or excipient.
- 159. An isolated polypeptide comprising an amino acid sequence at least 90% identical to Trp (2) Ser (208) of SEQ ID NO:2.
- 160. The isolated polypeptide of claim 159, comprising an amino acid sequence at least 95% identical to Trp (2) Ser (208) of SEQ ID NO:2.
- 161. The isolated polypeptide of claim 160, comprising an amino acid sequence at least 97% identical to Trp (2) Ser (208) of SEQ ID NO:2.
- 162. The isolated polypeptide of claim 159, 160, or 161, having a Met residue at the N-terminus of said amino acid sequence.
- 163. The isolated polypeptide of claim 159, 160, or 161, wherein said polypeptide is part of a fusion protein.

- 164. The isolated polypeptide of claim 159, 160, or 161, which is produced in a recombinant cell.
- 165. The isolated polypeptide of claim 164, wherein said recombinant cell is bacterial.
- 166. The isolated polypeptide of claim 159, 160, or 161, together with a pharmaceutically acceptable carrier or excipient.
- 167. An isolated polypeptide comprising an amino acid sequence at least 90% identical to Ala (63) Lys (153) of SEQ ID NO:2.
- 168. The isolated polypeptide of claim 167, comprising an amino acid sequence at least 95% identical to Ala (63) Lys (153) of SEQ ID NO:2.
- 169. The isolated polypeptide of slaim 168, comprising an amino acid sequence at least 97% identical to Ala (63)- Lys (153) of SEQ ID NO:2.
- 170. The isolated polypeptide of claim/167, 168, or 169, having a Met residue at the N-terminus of said amino acid sequence.
- 171. The isolated polypeptide of claim 167, 168, or 169, wherein said polypeptide is part of a fusion protein.

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- 172. The isolated polypeptide of claim 167, 168, or 169, which is produced in a recombinant cell.
- 173. The isolated polypeptide of claim 172, wherein said recombinant cell is bacterial.
- 174. The isolated polypeptide of claim 167, 168, or 169, together with a pharmaceutically acceptable carrier or excipient.
- 175. An isolated polypeptide comprising an amino acid sequence at least 90% identical to Thr (36) Lys (153) of SEQ ID NO:2.
- 176. The isolated polypeptide of claim 175, comprising an amino acid sequence at least 95% identical to of Thr (36) Lys (153) of SEQ ID NO:2.
- 177. The isolated polypeptide of claim 176, comprising an amino acid sequence at least 97% identical to Thr (36) Lys (153) of SEQ ID NO:2.
- 178. The isolated polypeptide of claim 175, having a Met residue at the N-terminus of said amino acid sequence.
- 179. The isolated polypeptide of claim 175, wherein said polypeptide is part of a fusion protein.